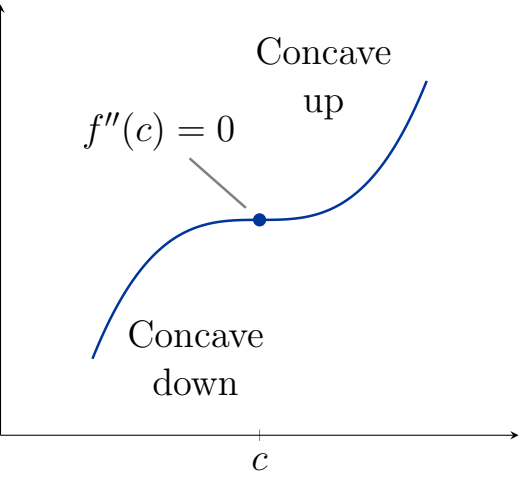
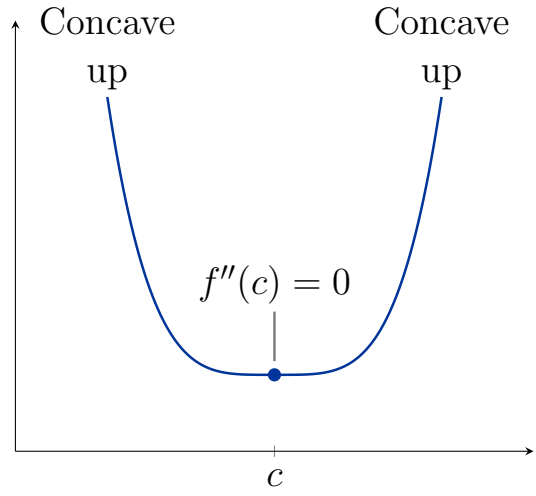
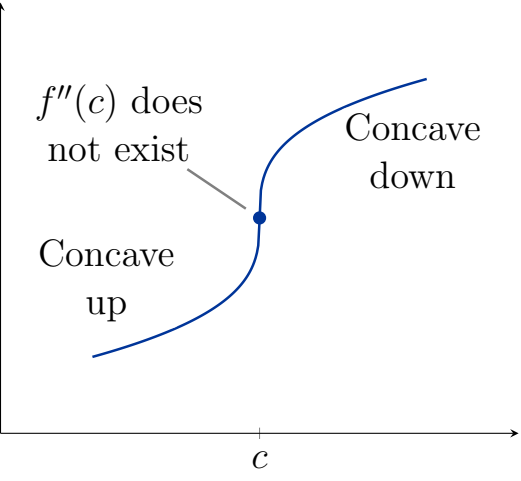
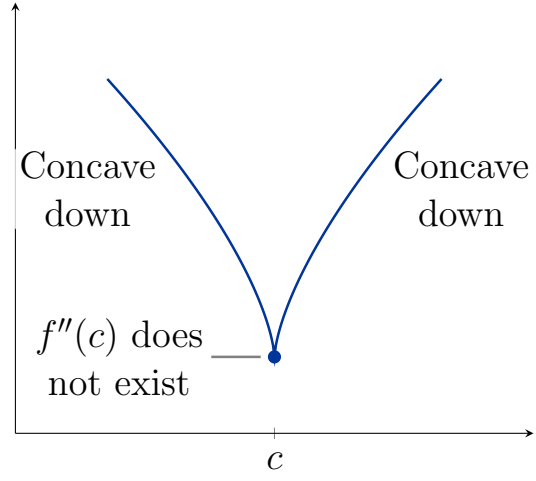
Inflection point at $x = c$



No inflection point at $x = c$



Inflection point at $x = c$



No inflection point at $x = c$